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THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

- 1. A method for preparing a 6-oxo-14-hydroxy- Δ^7 -morphinane comprising oxidising a 6-methoxy-N-methyl- Δ^6 , Δ^8 -morphinane for a time and under conditions sufficient to form a 6-oxo-14-hydroxy-N-methyl- Δ^7 -morphinane-N-oxide and converting the formed N-oxide to the 6-oxo-14-hydroxy- Δ^7 -morphinane.
- A method according to claim 1 wherein the oxidation is carried out by treating the 6-methoxy-N-methyl-Δ⁶, Δ⁸-morphinane with hydrogen peroxide in the presence of a carboxylic acid.
 - 3. A method according to claim 2 wherein the carboxylic acid is formic acid or acetic acid.
- 15 4. A method according to claim 3 wherein the carboxylic acid is formic acid.
 - 5. A method according to claim 4 wherein the concentration of formic acid is 45% by weight formic acid in water.
- 20 6. A method according to any one of claims 2 to 5 wherein the 6-methoxy-N-methyl- Δ^6 , Δ^8 -morphinane is treated with a molar excess of hydrogen peroxide at a concentration of 50% by weight in water.
- A method according to any one of claims 2 to 6 wherein the 6-methoxy-N-methyl Δ⁶, Δ⁸-morphinane is dissolved in a mixture of the carboxylic acid and a solvent prior to the addition of the hydrogen peroxide.
 - 8. A method according to claim 7 wherein the solvent is ethanol.
- 30 9. A method according to any one of claims 1 to 8 wherein the oxidation is conducted at a temperature below 50°C.

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- 10. A method according to claim 9 wherein the temperature is about 20°C.
- 11. A method according to any one of claims 1 to 10 including the additional step of isolating the 6-oxo-14-hydroxy-N-methyl-Δ⁷-morphinane-N-oxide before the conversion to 6-oxo-14-hydroxy-Δ⁷-morphinane.
 - 12. A method according to claim 11 wherein the isolation step comprises neutralising the oxidation reaction mixture to a pH of about 7 by adding a base and collecting the Novide as a solid.
 - 13. A method according to claim 12 wherein the base is selected from sodium or potassium hydroxide or potassium carbonate.
- 15 14. A method according to claim 13 wherein the base is sodium hydroxide.

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agent.

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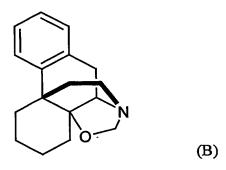
15. A method according to claim 14 wherein sodium hydroxide is added to the oxidation reaction mixture at a rate which ensures that the reaction temperature reaches 55°C.

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16. A method according to any one of claims 1 to 15 wherein the formed N-oxide is converted to the 6-oxo-14-hydroxy-Δ⁷-morphine by treating the N-oxide with a reducing

- 25 17. A method for converting a 6-oxo-14-hydroxy-N-methyl-Δ⁷-morphinane-N-oxide to a 6-oxo-14-hydroxy-Δ⁷-morphinane comprising subjecting the N-oxide to reducing conditions to ring close the N-methyl group with the 14-hydroxy group forming an oxazolidine ring, and hydrolysing the ring closed oxazolidine product to form the 6-oxo-14-hydroxy-Δ⁷-morphinane.
 - 18. A method according to claim 17 wherein the reducing conditions comprise treating

the 6-oxo-14-hydroxy-N-methyl- Δ^7 -morphinane-N-oxide with a Fe(II) based reducing agent and formic acid.

- 19. A method according to claim 17 wherein the hydrolysing step is performed using a strong acid selected from hydrochloric acid, sulphuric acid, hydrobromic acid or phosphoric acid.
 - 20. A method according to claim 19 wherein the strong acid is hydrochloric acid.
- 10 21. A method of preparing a morphinane compound having a modified morphinane skeleton of structure (B)



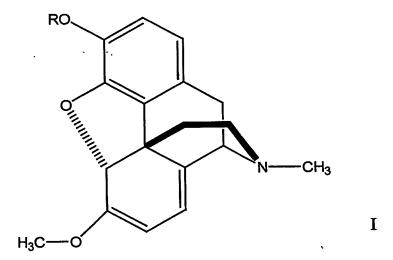
- said method comprising treating a 6-oxo-N-methyl-14-hydroxy-Δ⁷-morphinane-N-oxide with an Fe(II) reducing agent for a time and under conditions sufficient to ring close the N-methyl group with the 14-hydroxy group.
- 22. A method according to claim 19 wherein the 6-oxo-14-hydroxy-N-methyl-Δ⁷ 20 morphinane-N-oxide is treated as a slurry in methanol with a Fe(II) based reducing agent, whereby formic acid is added.
 - 23. A method according to claim 21 or 22 wherein the Fe(II) reducing agent is FeSO₄.
- 25 24. A method for preparing N-alkyl or N-alkenyl 6-oxo-14-hydroxy-morphinanes comprising:

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oxidising a 6-methoxy-N-methyl- Δ^6 , Δ^8 -morphinane for a time and under conditions sufficient to form a 6-oxo-14-hydroxy-N-methyl- Δ^7 -morphinane-N-oxide,

- 5 converting the formed N-oxide to a 6-oxo-14-hydroxy-Δ⁷-morphinane,
 reducing the Δ⁷ double bond to form a 6-oxo-14-hydroxy morphinane, and
 subjecting the 6-oxo-14-hydroxy-morphinane to N-alkylation to introduce the N-alkyl or N-alkenyl substituent.
 - 25. A method according to any one of claims 1 to 16 and 24 wherein the 6-methoxy-N-methyl- Δ^6 , Δ^8 -morphinane is a compound of formula I:



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where R is H, C₁-C₆ alkyl, benzyl or acyl.

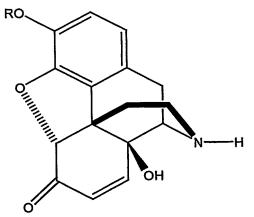
- 26. A method according to claim 25 wherein the 6-methoxy-N-methyl- Δ^6, Δ^8 20 morphinane is a compound of formula I where R is H or CH₃.
 - 27. A method according to claim 25 wherein wherein the 6-methoxy-N-methyl- Δ^6, Δ^8 -morphinane is a compound of formula I where R is H.

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28. A method according to any one of claims 1 to 24 wherein the 6-oxo-14-hydroxy-N-methyl- Δ^7 -morphinane-N-oxide is compound of formula II:

where R is independently selected from H, C₁-C₆alkyl, benzyl or acyl.

- 29. A method according to claim 28 wherein the 6-oxo-14-hydroxy-N-methyl- Δ^7 10 morphinane N-oxide is compound of formula II where R is H or CH₃.
 - 30. A method according to claim 29 wherein the 6-oxo-14-hydroxy-N-methyl- Δ^7 -morphinane N-oxide is a compound of formula II where R is H.
- 15 31. A method according to any one of claims 1 to 20 and 24 wherein the 6-oxo-14-hydroxy- Δ^7 -morphinane is a compound of formula III:



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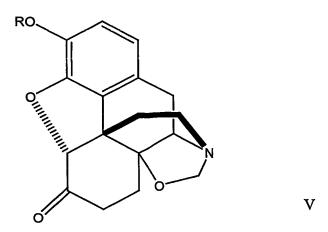
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wherein R is H, C₁-C₆alkyl, benzyl or acyl.

- 32. A method according to claim 31 wherein the 6-oxo-14-hydroxy- Δ^7 -morphinane is a compound of formula III where R is H or CH₃.
- 33. A method according to claim 32 wherein the 6-oxo-14-hydroxy- Δ^7 -morphinane is a compound of formula III where R is H.
- 34. An oxazolidine of formula IV:

where R is H, C₁-C₆alkyl, benzyl or acyl.

- 15 35. An oxazolidine of formula IV according to claim 34 wherein R is H, CH₃ or benzyl.
 - 36. An oxazolidine of formula IV according to claim 35 wherein R is H.
- 20 37. An oxazolidine of formula V:



where R is H, C₁-C₆alkyl, benzyl or acyl.

- 5 38. An oxazolidine of formula V according to claim 37 wherein R is H or CH₃.
 - 39. An oxazolidine of formula V according to claim 38 wherein R is H.

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GlaxoSmithKline Australia Pty Ltd

By DAVIES COLLISON CAVE

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Patent Attorneys for the Applicants